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Total No. of Pages : 02

Total No. of Questions : 09

BMCI (2014 & Onwards) (Sem.-3)
RELATIONAL DATABASE MANAGEMENT SYSTEM
Subject Code : BMCI-301
M.Code : 72582

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A**1. Answer briefly :**

- a) What are the log files?
- b) What is Normalization?
- c) What are accidental security threats?
- d) What is degree of relation?
- e) What is the fifth normal form?
- f) Describe type of relationship.
- g) What do you understand by Functional dependency?
- h) What is Key?
- i) What is importance of ERD?
- j) What is Referential Integrity Constraint?

SECTION-B

2. Describe keys with help of an example :
 - a) Primary key
 - b) Foreign key
 - c) Candidate key
3. Explain three types of normalization in RDBMS.
4. What is ER model? Explain the ER diagram with example.
5. Explain architecture of a DBMS.
6. What do you mean by DSS? Explain different requirements of DSS database.

SECTION-C

7. What do you mean by concurrency? Explain different Locking Methods.
8. What is relational algebra? Explain types of JOIN operations.
9. Explain :
 - a) Distributed database management systems (DDBMS)
 - b) MPSD
 - c) OLAP.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.